

Abstract

The object of the present invention is to provide an inexpensive biodegradable molding material which allows easy adjustment of the biodegradability of the material as a molding material, which undergoes 100% degradation within a fixed period following use in molded articles without requiring any excessively long time for degradation, which has a high heat resistance, and therefore, can be used to mold disposable food containers or foodstuff packaging trays which are steam-sterilizable, as well as planting pots which allow the transplantation of young plants, etc. into the soil together with the planting pots, which possesses water resistance, and which is superior in terms of material strength and moldability.

51 to 70 wt % powdered paper and 30 to 49 wt % biodegradable aliphatic polyester resin are mixed with a consideration of biodegradability, moldability and material strength, etc. in accordance with the application involved so as to obtain a biodegradable molding material. This molding material undergoes 100% biodegradation within 90 days. Virgin pulp or old paper which are finely pulverized to a size of 2 mm pass is suitable for use as the aforementioned powdered paper.